

Reporting and Planning Workshop

Monitoring Plans

- Under the Stage 1 DBPR, you must develop a monitoring plan detailing how you will:
 - Collect samples
 - Determine compliance

Monitoring Plans

- Plans must be available for state inspection by 1/31/2004
- Subpart H systems serving > 3,300 must submit monitoring plans to the state by 4/10/2004

Instructions

- Use the monitoring plan worksheets and sample system information to complete an example monitoring plan for chlorine sampling.
- Some information is already provided for you in the monitoring plan.
- Worksheets include a completed plan for the whole system, including a completed monitoring plan for TTHM and HAA5.

Monitoring Plan

1a. Please circle disinfectants in use at your system (circle all that apply)

Chlorine Chloramines

1b. Please circle the analytical method(s) that your system will use for chlorine and/or chloramines sample analysis:

Chlorine			Chloramines
Free	Combined	Total	
4500-Cl D	4500-Cl D	4500-Cl D	4500-Cl D
4500-Cl F	4500-Cl F	4500-Cl F	4500-Cl F
4500-Cl G	4500-Cl G	4500-Cl G	4500-Cl G
4500-Cl H		4500-Cl I	4500-Cl I

Monitoring Plan

1c. Please note any sample handling or preservation instructions for the state-approved party collecting and analyzing the samples:

Collect sample in a plastic or glass container larger than 500 mL. Flush tap for two minutes and collect sample. Process sample immediately, on-site.

1d. List the contact information for the U.S. EPA- or state-approved party (name, phone, and address) that will analyze your chlorine and chloramines samples:

Scott River, Operator (Certification #YS0001)
Muddy River PWS – 68 Water St.
Muddy River, Your State, USA 22222

TCR Monitoring Schedule

Population Served	Number of Monthly Samples
25 - 1,000	
1,001 - 2,500	
2,501 - 3,300	
3,301 - 4,100	
4,101 - 4,900	
4,901 - 5,800	
5,801 - 6,700	
6,701 - 7,600	
7,601 - 8,500	
8,501 - 12,900	

Monitoring Plan

Disinfectant Residual	Sampling Frequency	Scheduled Sample Date	Sample Site Locations	
			Location #	Location ID

Monitoring Plan

Disinfectant Residual	Sampling Frequency	Scheduled Sample Date	Sample Site Locations
			Location # Location ID
Chlorine	2/month	1 st Monday of the month	CC 13WA
			CC 12MS
			CC 24MS
			CC 49MS
			CC 560LS
			CC 460LS

Monitoring Plan

3. In the box provided below, describe how you will calculate compliance. Example compliance determination formulas are included below for your convenience.

Compliance Calculation

Monitoring Plan

Compliance Calculation

Muddy River will calculate the monthly average for each month by dividing the sum of the results of the chlorine samples collected that month by the number of samples collected that month.

Muddy River will calculate the annual average by dividing the sum of monthly averages (from the most recent 12 months) by 12.